



CITY OF LAS VEGAS
Department of Building and Safety
ST-2 Procedures on Non-Approved Fabricators with Overseas Plants
2006 International Building Code

Date: 8-27-08

Subject: Procedures on Non-Approved Fabricators with Overseas Plants

At the option of the Building Official, approval for non-approved fabricators with overseas plants may be granted on a case by case basis, subject to compliance with the requirements listed below. Approval status will be determined during a scheduled session of the "Building Official's Hearing Committee". If approval is granted, it will be a one time approval only (per project basis). Approval will be limited to certain components only (curtain walls, parapets, exterior panels, roof panels, etc.) that are not part of the main vertical and lateral force resisting system of the building or structure.

Requirements:

1. Documentation:

- a. As required per section 1704.2.1 of the 2006 International Building Code (2006 IBC), the fabricator shall submit a current copy (not over one year old), of the fabricator's "Quality Control Manual" and procedures which shall include, but not be limited to, the following:
 - i. Personnel qualifications and certifications, including welding certifications for all personnel who may be involved with the proposed project.
 - ii. General fabrication plant operations, including engineering and drafting.
 - iii. Welding procedures. All welding procedures shall comply with the current adopted American Welding Society (AWS) Structural Welding Codes (AWS D1.1-04 / D1.3-98 / D1.4-98).
 1. Documentation demonstrating procedural and testing compliance with welding notch toughness specifications in accordance with Appendix "X" of American Institute of Steel Construction (AISC) publication 341, 2005 edition (341-05), with respect to the employed lateral force resisting system.
 - iv. Quality control procedures utilized by the quality control agency.
- b. List and description of similar structural fabrication projects that have been completed or which are in progress.
- c. Evidence that materials, fabrication and design processes comply with the 2006 IBC and its applicable referenced standards (For example: AISC 360-05 and AISC 341-05 / AWS D1.1-04 /...).

2. Testing:

- a. Costs of all tests and other investigations required by the Building Official shall be borne by the permit applicant.
- b. Test safe load and pre-construction load tests may be required by the Building Official. These tests shall be in accordance with sections 1712 and 1714 of the 2006 International Building Code.
 - i. If load test safe loading is required, the testing procedure shall comply with the requirements of section 1714.3.1.
 - ii. When load test procedures are not specified, comply with the requirements of sections 1714.3, 1714.3.1 and 1714.3.2. Test procedures shall be developed by a Nevada licensed civil or structural engineer (preferably by the engineer of record for the fabricated components) that simulates applicable loading and deformation conditions.
- c. Preconstruction load tests shall be performed on site and shall be witnessed by the fabricated components engineer of record, architect who is specifying the product, owner or owner's representative, Building Official's representative and an independent special inspection agency approved by International Accreditation Service and hired by owner. Off site testing may be considered by the Building Official during an Appeals hearing. Off site testing is to be witnessed by the fabricated components engineer of record and an independent special inspection agency approved by International Accreditation Service and hired by the owner.
- d. The test reports will be prepared by the special inspection agency, signed and sealed by the agency's principal engineer, who is a Nevada licensed professional engineer. The engineer of record will submit a separate report indicating that the test procedures were done in accordance with his/her testing procedures, with his/her Nevada professional engineer's seal and signature.

3. Materials:

- a. Design strengths of materials shall comply with section 1710 of the 2006 IBC.
 - i. The fabricator shall maintain mill test reports for all construction materials (ASTM A 6 or ASTM A568, Section 1708.4 of the 2006 IBC).

4. Special Inspections:

- a. In compliance with section 1704.2.1 of the 2006 IBC, a Special Inspector shall verify that the fabricator maintains and implements the detailed fabrication and quality control procedures on site, and shall during the time of fabrication, review these procedures for completeness and adequacy relative to the scope of work and the approved construction documents. Special Inspections of steel shall conform to section 1704.3 and Table 1704.3 of the 2006 IBC. All other special inspections shall comply with section 1704 as applicable.

5. Submittal procedures:

- a. Submit all documents above to the Building Department Permit Technician as a "Product Approval". These documents are separate from the construction documents required for the project (engineered design and drawings for the components and connections).
- b. At the time of submittal, the applicant must complete a copy of the "Building Official's Hearing Committee" form. This form will be used to schedule an appeal before the building official at which time the assessment will be decided. A copy of this form may be obtained at the front counter, Information Desk, at the Development Service Center at 731 S. Fourth Street, Las Vegas, Nevada 89101. Further questions may be answered at (702) 229-6251.

- c. The Structural Plans Examiner will review the documents and inform the applicant to appear before the Building Official Hearing Committee. Additional documents may be required by the Building Official at the hearing.
 - i. The permit applicant will submit to the Structural Plans Examiner all additional documents that are required by the Building Official.

6. Fees:

- a. "Product Approval" Fees: A product approval review fee for the sum of Five-Hundred Fifty Dollars (\$500), plus \$100 per hour for review and evaluation of a building product not yet approved by the International Code Council (ICC), will be required at the time of submittal for the review of the documentation required in the "submittal procedures" of section 5 (see above). At the discretion of the Building Department, additional fees may be levied depending on the complexity of the review before the decision has been granted. Fees allow the review to proceed but are not a guarantee of approval.
- b. Hearing Committee Review Fee: A hearing committee review fee for the sum of One-Hundred Dollars (\$100) will be required if a convening of the committee is required to discuss any outstanding issues.